

From: [Kristen Keteles](#)
To: [Kyle Olson](#); [Joshua Rickard](#); [Kimberly Pardue-Welch](#); [Tricia Pfeiffer](#)
Subject: Fw: Williston, ND
Date: 01/17/2012 10:21 AM

Kyle,

I don't believe I shared the recommendations with her since those were part of the internal discussions at the time. I can't remember if they were shared with the state. Tricia has been talking to ATSDR and they have some air monitoring recommendations as well. I think it would be great if we could get some data.

Kristen

Kristen Keteles, Ph.D.
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----- Forwarded by Kristen Keteles/R8/USEPA/US on 01/17/2012 10:16 AM -----

From: Kyle Olson/R8/USEPA/US
To: Kristen Keteles/R8/USEPA/US@EPA
Cc: Joshua Rickard/R8/USEPA/US@EPA
Date: 01/17/2012 09:53 AM
Subject: Fw: Williston, ND

Kristen & Josh,

I was on the phone with Jackie the other day, she's still paying out of pocket for her own air monitoring. I thought I may be able to find a way for her to sample efficiently, based on risks. It appears from your email below that you've got some solid ideas. Did you share these with her already? I spoke with Jim Simarod at ND Dept of Health as well, I told him that we'd run things by him, too. Did you all happen to share these monitoring ideas with him?

Kyle Olson
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----- Forwarded by Kyle Olson/R8/USEPA/US on 01/17/2012 09:49 AM -----

From: Victoria Parker-Christensen/R8/USEPA/US
To: Kyle Olson/R8/USEPA/US@EPA
Date: 01/17/2012 08:47 AM
Subject: Fw: Williston, ND

Is this the same person you talked to?

Victoria L. Parker-Christensen
USEPA, Region 8, Air Program
Indoor Air, Toxics & Transportation Unit, 8P-AR

Office of Partnerships and Regulatory Assistance (OPRA)
1595 Wynkoop Street
Denver, CO 80202-1129

Phone 303-312-6441
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----- Forwarded by Victoria Parker-Christensen/R8/USEPA/US on 01/17/2012 08:47 AM -----

From: Kenneth Distler/R8/USEPA/US
To: Victoria Parker-Christensen/R8/USEPA/US@EPA
Date: 11/30/2010 01:15 PM
Subject: Fw: Williston, ND

Ken Distler
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----- Forwarded by Kenneth Distler/R8/USEPA/US on 11/30/2010 01:15 PM -----

From: Kristen Keteles/R8/USEPA/US
To: Joshua Rickard/R8/USEPA/US@EPA
Cc: Cindy Beeler/R8/USEPA/US@EPA, Deborah Lebow-Aal/R8/USEPA/US@EPA, Kenneth Distler/R8/USEPA/US@EPA, Melanie Pallman/R8/USEPA/US@EPA, Barbara Barron/R8/USEPA/US@EPA
Date: 11/30/2010 10:51 AM
Subject: Williston, ND

Joshua,

I spoke directly to Ms Schilke about her health concerns. After consulting with my colleagues at ATSDR including Dr. Watters, Regional Health Officer, we believe that Ms. Shilke's health concerns merit monitoring of ambient air including SVOCs, VOCs (including Speciated Nonmethane Organic Compounds and carbonyl compounds), H₂S, NH₃, SO_x, NO_x, and the other standard clean air act criteria pollutants. Given her elevated arsenic levels, I would like to see monitoring for arsenic in air as well.

We don't believe her health issues are the result of germanium, but we do believe air monitoring is warranted based upon her and her husband's health complaints

(severe respiratory irritation, neuropathy), the odors, the signs she is seeing in livestock and domestic animals, and given the proximity of oil and gas operations. We recommend following air monitoring protocols developed for Pavillion, WY and Garfield County, CO. I would be happy to provide input regarding air monitoring protocols. Once we have air monitoring data, EPA and ATSDR can assess health risks to the community.

Please let me know if you have any questions or need a formal request from either myself or Dr. Watters.

Kristen

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▼ Joshua Rickard---11/23/2010 10:21:53 AM---Thanks for looking at this. If you have questions let me know and I can try to help makes sense of t

From: Joshua Rickard/R8/USEPA/US
To: keteles.kristen@epa.gov
Date: 11/23/2010 10:21 AM
Subject: Fw: list of consultants and current status of work

Thanks for looking at this. If you have questions let me know and I can try to help makes sense of the random emails.

Joshua Rickard
Clean Air Act Enforcement Team
303-312-6460

To report an environmental violation, visit EPA's website at
<http://www.epa.gov/compliance/complaints/index.html>

----- Forwarded by Joshua Rickard/R8/USEPA/US on 11/23/2010 10:20 AM -----

From: "Semerad, Jim L." <jsemerad@nd.gov>
To: "jboid@dia.net" <jboid@dia.net>
Cc: "Peterson, Todd F." <tfpeterson@nd.gov>, "Roberts, Kris D." <kroberts@nd.gov>, "Otto, Justin L." <jotto@nd.gov>, "Oyloe, Lacy" <loyloe@nd.gov>, "Kruger, Kirby J." <kkruger@nd.gov>, Daphne Clark <dclark@umdh.u.org>, "O'Clair, Terry L." <toclair@nd.gov>, Joshua Rickard/R8/USEPA/US@EPA
Date: 11/19/2010 07:59 AM
Subject: list of consultants and current status of work

Jacki and Steve:

Here is a brief update of information and efforts currently underway:

- I talked to Steve about a list of consultants - it is available at:
<http://www.ndhealth.gov/AQ/IAQ/IAQ%20Consultant%20List.pdf>
- Another contact that has worked on a variety of issues in several states is the Indoor Environmental Group, Inc. – contact information is available at
http://www.indoorweb.com/key_personnel.html
- Although several of the companies listed above specialize in issues such as mold, asbestos, or lead, they may be able to provide assistance in helping to determine the cause (and remedy) of problems at your house. Steve said that you would review the list to determine which you may consult with.
- In addition to the companies on the list, I spoke with Justin Otto from our Indoor Air group. Justin stated that he is available to conduct an inspection upon request. If you determine that this would be desired, please contact Justin or me to set up a date – both of us are available at the phone number in my signature block.
- On November 18, I again contacted the EPA contact for North Dakota to update him with findings and further discuss possible causes of the problem. I asked him to check if they would have any toxicologists available that may have ideas on causes. They will review.
- We are still waiting for the water quality test results. Kris Roberts will review the results upon receipt.
- As I understand it, Steve has taken some air tests with draeger tubes for various contaminants (all results have been negative to date) and is planning on taking more for additional contaminants as appropriate tubes are located.
- The Upper Missouri District Health Unit is reviewing health information.

As I have tried to explain in prior phone calls, this is an unusual case – although we have only been able to determine what the problem isn't rather than what it is, we are working very hard on resolving the issue. Since this issue involves health, continuing to work with your Doctors is an important part of this issue.

Jim Semerad

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Division Website:

<http://www.health.state.nd.us/AQ/Airhomepage.htm>